Chris:

It's pretty open next week. Available times are:

Tuesday until 3pm

Wednesday from 1:30-2:30 or 3:30-5:00

Thursday before or afternoon the Deschutes (Budd Inlet) Advisory Group meeting (are you attending?) or 3-5

Speaking of the advisory group meeting, here's a DRAFT of the presentation I'll be giving on modeling results. Good summary information for you. We still need to have the conversation around the three questions (attached) we asked EPA (next steps planned for Dec 1).

Also, we hope to have offered the TMDL lead position by Monday. Which will be a great relief for me workload! We'll make sure that new person meets you and key EPA staff early in the process.

Andrew

Andrew Kolosseus

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From: Zell, Christopher [mailto:zell.christopher@epa.gov]
Sent: Wednesday, November 09, 2016 6:24 PM
To: Kolosseus, Andrew (ECY) <AKOL461@ECY.WA.GOV>
Subject: Re: Deschutes TMDL

Thanks for the prompt. I am out of the office until next week, but I do think we need to get this moving forward. What does your availability look like Tues - Friday next week?

From: Kolosseus, Andrew (ECY) <AKOL461@ECY.WA.GOV>

Sent: Wednesday, November 9, 2016 7:38:36 AM
To: Zell, Christopher
Subject: FW: Deschutes TMDL

Re-pinging on this. I'm available on Thursday after 11:00.

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From: Kolosseus, Andrew (ECY)
Sent: Wednesday, November 02, 2016 10:32 AM
To: 'Zell, Christopher' <zell.christopher@epa.gov>
Subject: RE: Deschutes TMDL

Chris:

Thanks for the update. As you know, I'm trying to keep this moving and have asked Heather to talk to Dan as soon as possible.

Yes, let's schedule a time to talk about it. If putting in the formula for calculating an increase makes it acceptable, it seems like that's an easy addendum. I'm still perplexed as to why it would help, but many things in life perplex me.

For the Deschutes for each permittee, it would be:

$$Teff = T + 0.3 * \frac{Q + Qeff}{Qeff}$$

Where

   T = Background Temperatures
   Q = Stream Flow before discharge
   Qeff = Stormwater discharge
   Teff = Temperature of allowable stormwater discharge

Hopefully the formula formatting works in this e-mail.

What is your availability next week? I have the following times available:

th

Monday, 7   until 3 pm

Tuesday, 8th 3-5 pm

Wednesday 9th after 10 am

Thursday 10th at 9, 11, or 1

Andrew

Andrew Kolosseus

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From: Zell, Christopher [mailto:zell.christopher@epa.gov]
Sent: Wednesday, November 02, 2016 7:56 AM
To: Kolosseus, Andrew (ECY) <AKOL461@ECY.WA.GOV>
Subject: RE: Deschutes TMDL

Hi Andrew,

I believe that Dave will be speaking with Dan in the next few days in an effort to facilitate another discussion with Heather. Stay tuned and stay dry!

Regarding the numeric WLA issue, I heard from Laurie that she explained the difference between the two scenarios. If this issue is still a little fuzzy, maybe we should schedule another call to discuss???

Best,

Chris

From: Kolosseus, Andrew (ECY) [mailto:AKOL461@ECY.WA.GOV]
Sent: Thursday, October 27, 2016 2:03 PM
To: Zell, Christopher <zell.christopher@epa.gov>
Cc: Mann, Laurie <mann.laurie@epa.gov>
Subject: RE: Deschutes TMDL

Chris:

Thanks – let me know what you find out from Laurie and Dave. I'd like to keep this thing moving.

My question I posed to Laurie about temperature and the Nooksack is independent of our Deschutes proposal (at least at this stage). I think the important thing on your end is getting Dan up-to-speed and having him and Heather talk about the "Ecology withdraw" language that isn't flying with us.

Here was my question on the Nooksack:

> The Deschutes TMDL says "all discharges shall not cause more than a 0.3 deg C increase of stream temperature, due to the combined effects of all human activities". (Note that the wording varies slightly for each permit type).
>
> The SF Nooksack says "…the cumulative discharge from all permitted sources may not cause the 7-DADMax receiving water temperature under those conditions to increase more than 0.2 °C."
>
> This is the same thing, except 0.2 versus 0.3 (which I assume isn't the issue)
>
> The formula is technical assistance showing people how to calculate a 0.2 degree increase. It isn't any more of a WLA than the 0.2. One would calculate warming water for the Deschutes the same way.
>
> Would it help if we included the formula? That could be done as an addendum or cover letter. Or what am I missing? How is the SF Nooksack (as written) any more of a numeric WLA?

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Hi Andrew,

I will check with Laurie and Dave to see where things sit. I recall learning that you and Laurie were working through some details regarding temperature…? If so, is there anything I need to relay into the feedback you are most interested in?

Best,

Chris

Chris:

What's the status of the Deschutes TMDL discussion on your end? At some point, Heather chatted with Dan but Dan wasn't up to speed. I heard a rumor that they've chatted since, but I haven't been able to reconnect with Heather. Do you know what the status is?

Andrew

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